



guided notes

NAME _____

Module 11 Simplifying Algebraic Expressions with Polynomials

Lesson 6 Dividing Polynomials by Monomials

Lesson Objectives

- Divide a monomial by a monomial.
- Divide a binomial or a trinomial by a monomial.

To divide a monomial by a monomial, first divide the _____.

Then, divide the _____ with the same base, using the

_____ rule for exponents.

Division rule for exponents:

$$\frac{a^m}{a^n} = \underline{\hspace{2cm}}$$

$$a \neq 0$$

1 Simplify: $\frac{-b^5d^2}{b^3d}$

2 Simplify: $\frac{35s^4t^4}{14st^{-2}}$

To divide a polynomial by a monomial, divide _____ of the polynomial by the monomial.

3 Simplify: $\frac{16c^2d - 8cd^2}{4cd}$

